"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALCZYK, Jerzy

Dipole moment of tributyl phosphate. Nukleonika 8 no.4:237-244 '63.

1. Katedra Fizyki, Wydzial Chemiczny, Politechnika, Warszawa.

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MICHALCZYK, Jerzy

Dielectric properties of the liquid system: ethyl alcohol—tributyl phosphate. Roczn chemii 37 no.11:1519-1524 '63.

1. Department of Physics, Chemical Faculty, Technical University, Warsaw.

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MICHALCZYK, Jerzy; HURWIC, Jozef

Uranyl nitrate complexes with tributylphosphate. Nukleonika 9 no. 6:483-484 '64.

1. Department of Physics, Division of Chemistry, Technical University, Warsaw.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

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HURWIC, Jozef; JARZYNSKA, Stefania; MICHALCZYK, Jerzy

The $Th(NO_3)_4$. 2 dipole moment. Nukleonika 9 no. 6:484-485 '64.

The $La(NO_3)_3$. 3TBP dipole moment. Ibid.:486

1. Department of Physics, Division of Chemistry, Technical University, Warsaw.

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MICHALCYK, L.

"An address at the opening of the conference of surveyors." p. 33
(Przeglad Geodezyjny, Vol 9, No 2 Feb 1953, Warszawa).

SO: Monthly List of East European Accessions, Vol 2 No 9 Sept 53 Library of Congress Uncl

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALCZYK, L.

"Education of surveyors in Czechoslovakia." p. 50
(Przeglad Geodezyjny, Vol 9, No 2, Feb 1953, Warszawa)

SO: Monthly ... of East European Accessions, Vol 2, No 9, Sept 53, Library of Congress, Uncl

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALCZYK, L.

"Agricultural management in Czechoslovakia," p. 78. (Przeglad Geodezyjny. Vol. 9, no. 3, March 1953. Warszawa.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954, Uncl.

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MICHALCZYK, L.

"Activity of the Scientific-Technical Association of Polish Surveyors During the Last Two Years". p. 132
"Report of the Committee of Auditors of the Scientific-Technical Association of Polish Surveyors for 1951 and 1952" p. 135. (Przegląd Geodezyjny, Vol. 9, no. 5, May 1953 Warszawa.)

Vol. 3, no. 6
SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

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OPIENSKA-HLAUTH, Janina; CHAREZINSKI, Marian; CHAREZINSKA, Izabella Teresa; MICHALCZYK, Zdzislaw

Indole compounds in the blood plasma and urine in cases of infectious hepatitis in children. Pol. tyg. lek. 19 no.28: 1066-1068 13 - 20 Jl'64

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w Lublinie (kierownik: prof. dr. J. Opienska-Hlauth) i z I Kliniki pediatrycznej Akademii Medycznej w Lublinie.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALE, Wladyslaw; NEYMARK, Stefania

Production of pneumomediastinum by the transesophageal approach.
Otolar. polska 15 no.4:431-437 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min Sprawiedliwosci w Lodzi Ordynator: zast. prof. dr W.Michale.
(PNEUMOMEDIASTINUM)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALE, Władysław

Indications for cervical esophagostomy and retrograde esophagoscopy in incarcerated foreign bodies. Otolar polska 15 no.3:341-350 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min. Sprawiedliwosci w Lodzi Ordynator: zast. prof. dr W. Michale.

(ESOPHAGUS for bodies)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALE, Wladslaw F.; NEYMARK, Stefania M.

Foreign bodies incarcerated in the duodenum. Polski tygod. lek. 16 no.48:1850-1853 27 N '61.

1. Z Oddzialu Chirurgicznego Szpitala Ministerstva Sprawiedlwosci w Lodzi; ordynator: zast. prof. dr med. W.Michalej.
(DUODENUM for bodies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALE, Wladyslaw; DEBIEC, Tadeusz

Foreign bodies in the esophagus. Polski przegl. chir. 33 no.3: 229-237 '61.

1. Z Oddzialu Chirurgicznego Szpitala Min. Sprawiedliwosci w Lodzi Ordynator: dr W. Michale.

(ESOPHAGUS for bodies)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

POLAND

MICHALE, Wladyslaw; First Surgical Clinic (I Klinika Chirurgiczna) of the AM (Akademia Medyczna -- Medical School) in Lodz; Director: Prof Dr Med W. STEFANOWSKI.

"Lipoma Mediastini. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 7, 11 Feb 1963, pp 265-267.

Abstract: [Author's English summary modified] The literature on mediastinal tumors of adipose tissue is cited. Reports are rather rare. The case of a female patient treated surgically for lipoma mediastini of pericardial origin is reported.
2 illustrations; 26 references, mostly Eastern.

1/1

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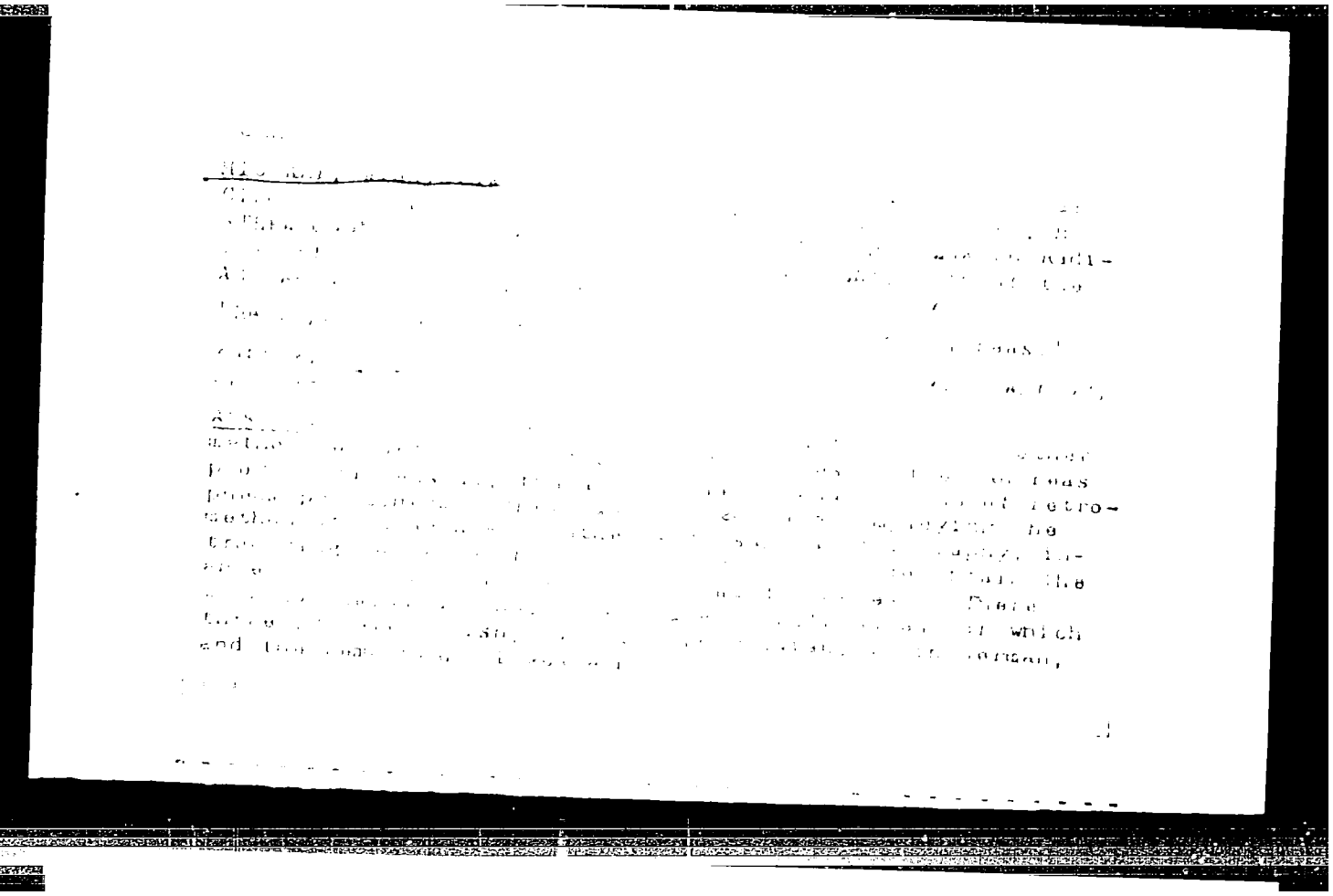

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MICHALE, Wladyslaw

Acute hemorrhagic pancreatitis of parasitic origin. Pol. przegl. chir. 35 no.4:337-339 '63.

1. Z I Kliniki Chirurgicznej AM w Lodzi Kierownik: prof. dr M. Stefanowski.
(PANCREATITIS) (HELMINTHIASIS) (SURGERY, OPERATIVE)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

BEKIER, Jerzy; MICHALE, Wladyslaw

Simultaneous hemilaminectomy and extrapulmonary mediastinotomy in the treatment of hour-glass tumor. Pol. tyg. lek. 18 no.34: 1275-1276 19 Ag '63.

1. Z Kliniki Neurochirurgii; kierownik: prof. dr Jerzy Szapiro i I Kliniki Chirurgicznej AM w Lodzi; kierownik: prof. dr Marian Stefanowski.
(PANCOAST'S SYNDROME) (SPINAL CORD NEOPLASMS)
(MEDIASTINAL NEOPLASMS) (SURGERY, OPERATIVE)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

C A

11P

A modification of Friedemann-Haugen method for the specific determination of pyruvic acid in biological material. K. Slavik and C. Michalec. *Chem. Listy* 43, 102–4(1949).—Oxalacetic and ketoglutaric acids which interfere during the detn. of pyruvic acid by the Friedemann-Haugen method (cf. *C.A.* 36, 5492[1]; 37, 2401[1]) can be removed as heterocyclic compds. by the reaction with N_2H_4. Pyruvic acid is only slightly affected by N_2H_4. It is then transformed to the dinitrophenylhydrazone, which is extd. from an org. solvent with a Na_2CO_3 soln. and detd. colorimetrically. M. H.

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CA

11C

The use of diphenylamine reaction for the determination of hexoses in the presence of pentoses, glucuronic acid, and products of the cleavage of sugars in biological material. K. Slavík and C. Michalec. *Chem. Listy* 43, 235–8(1949).—The blue coloration developed by treating hexoses with diphenylamine reagent was used for detn. of hexoses in biol. material. Pentoses give a yellow color; glycine, cystine, arginine, lysine, tyrosine, creatine, histidine, aspartic acid, uric acid, leucine, cholesterol and lecithin do not give any color reaction in concns. of 2 mg. in 2 ml. water. Hexoses were detd. with an accuracy of 1–1.5% in the presence of pentoses. The rate of cleavage of aldoses and ketoses in EtOH-H_2SO_4 and BuOH-HCl solns. was measured, and the method for detg. aldoses in the presence of ketoses was described.

M. Hudlický

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CA

1

Determination of nitrogen with Nessler reagent. K. Slavik and C. Michalec (State Faculty Hosp., Prague, Czech.). *Chem. Listy* **45**, 38(1951).—After oxidizing the sample contg. 10–700 γ N in H_2SO_4 with the addn. of H_2O_2 wash the residue with 5–25 ml. H_2O into a volumetric flask (20–100 ml.), add 3–15 ml. of Nessler reagent and dil. to the mark with H_2O. Measure after 10 min. at 450–490 mμ. M. Hudlicky

1951

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C.; SREBOVA, V.

Microdetermination of potassium in blood serum. Cas. lek. cesk. 90 no.51-52:1536-1538 28 Dec 51. (CIML 21:5)

1. Of the Central Laboratory (Head--J. Horejsi, M.D.) of State Faculty Hospital, Prague.

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SLAVIK, K.; MICHALEC, C.

Remarks on determination of tyramine and tyrosine with Gerngross reaction. Cas.lek.cesk. 91 no.10:301-302 7 Mar 52.

1. Z Ustredni laboratore SNP, prednosta dr. J.Horejsi.
(TYRAMINE, determination,
Gerngross method)
(TYROSINE, determination,
Gerngross method)

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HOENIG, V.; BELOHRADSKY, K.; MICHALEC, C.; JANDOVA, D.

Importance of certain turbidity and flocculation tests for diagnosis of infectious hepatitis. Cas.lek.cesk. 91 no.14:432-435 4 Apr 52.

1. Z I. kliniky pro choroby vnitrni, prednosta prof. dr. M.Netousek; z odd. pro epidemicke zloutenky v Masarykovych domovech v Krci a z ustrednich biochemickych laboratori, prednosta, prof.dr. Jaroslav Horejsi.

(HEPATITIS, INFECTIOUS,
flocculation & turbidity tests, evaluation)

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MICHALEC, C., RNDr.; KOCNA, A., MUC.; KOTRLIK, J., MUC.

Lipid metabolism. I. Determination of total, free, and esterified cholesterol in blood serum in carcinomas and in liver diseases. Cas. lek. cesk. 91 no.26:767-771 27 June 52.

1. Ustr. laboratore SFN, Praha; predn. prof. dr. J. Horejsi.
(NEOPLASMS, blood in,
cholesterol, determ.)
(LIVER, diseases,
liver cholesterol in, determ.)
(CHOLESTEROL, in blood,
in cancer & liver dis., determ.)
(BLOOD,
cholesterol, in cancer & liver dis., determ.)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, Cestmir

Chemical Abst.
Vol. 48
Apr. 10, 1954
General and Physical Chemistry

Paper isoelectric and electrophoretic. Cestmír Michalec and Ivo M. Hais (Charles Univ., Prague, Czech.). Chem. Listy 47, 304-319(1953).—A review with 294 references. M. Hudlický

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MICHALEC, C.

Modified method of filter paper partition electrophoresis of blood proteins. Cas. lek. cesk. 92 no.23:642-645 5 June 1953. (CLML 24:5)

1. Of the Central Biochemical Laboratory (Head--Prof. J. Horejsi, M.D.) of State Faculty Hospital.

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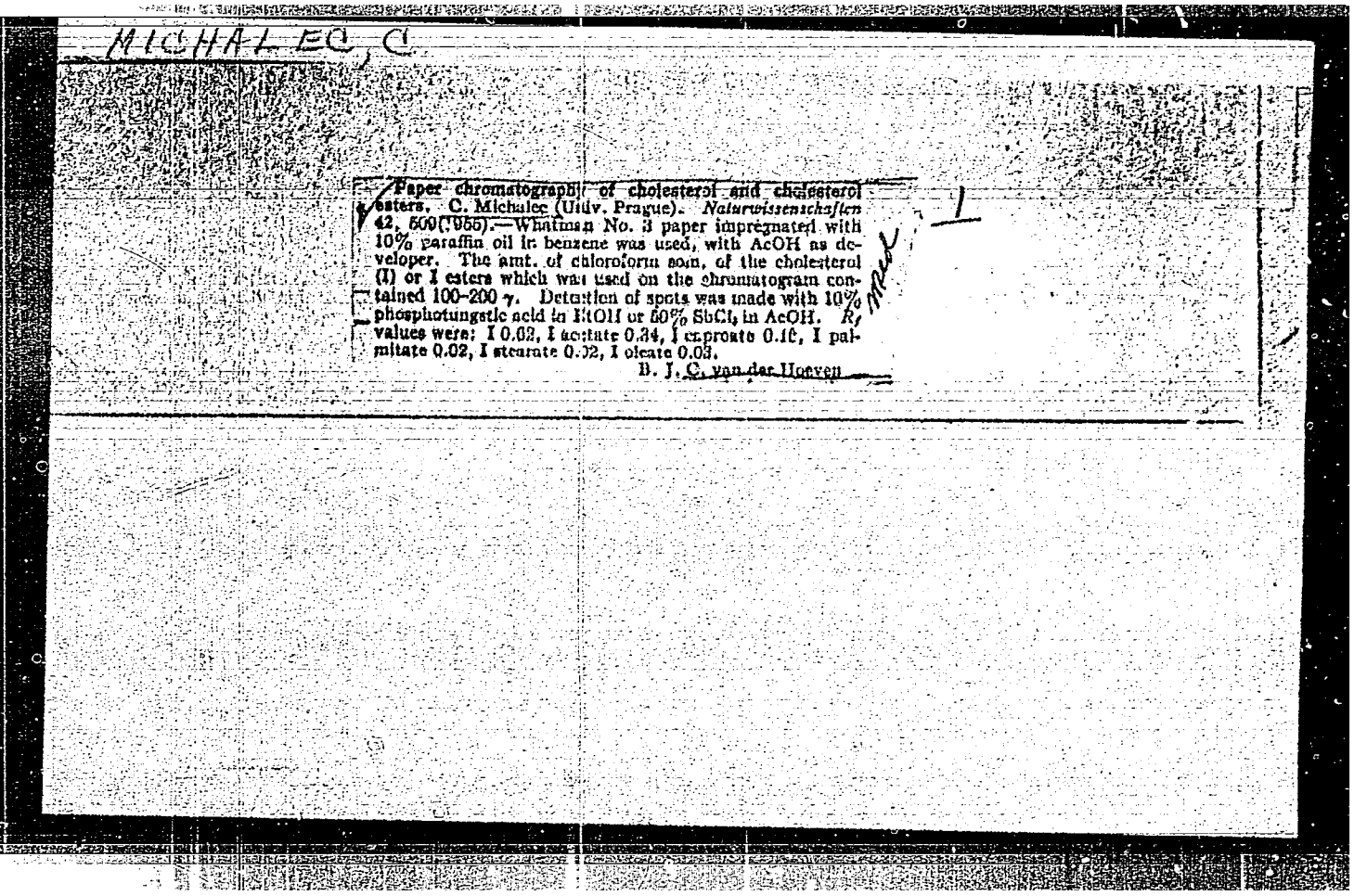

MICHALEC, C

Paper chromatography of cholesterol and cholesterol esters. C. Michalec (Univ. Prague). *Naturwissenschaften* 42, 509(1955).—Whatman No. 3 paper impregnated with 10% paraffin oil in benzene was used, with AcOH as developer. The amt. of chloroform soln. of the cholesterol (I) or I esters which was used on the chromatogram contained 100–200 γ. Detection of spots was made with 10% phosphotungstic acid in EtOH or 50% $SbCl_3$ in AcOH. R_f values were: I 0.02, I acetate 0.34, I caproate 0.16, I palmitate 0.02, I stearate 0.02, I oleate 0.03.

B. J. C. van der Hoeven

1

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C.

MD ✓ Nature of cholesterol esters in human blood serum. [illegible] Michalec (Univ. Hosp., Prague). *Biochim. et Biophys. Acta* 19, 187–8(1956).—Paper-chromatographic studies of the cholesterol esters of human blood serum indicated that the esters consist of cholesterol and palmitic, oleic, and linoleic acids. Morton Feder

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MICHALEC, C

2

2207. The paper chromatography of porphyrins. C. Michalec and A. Komarkova (Biochem. Zentralinst. Städt. Fakultatkrankh. Karlova Univ., Prague). *Naturwissenschaften*, 1956, 43 (1), 12.—The esters of uroporphyrin, coproporphyrin I and III and protoporphyrin IX are readily separated by ascending technique in a solvent mixture of toluene and 90% ethanol (10:0·1, v/v). For two-dimensional runs either kerosene - $CHCl_3$ (4:2·6) or kerosene - propanol (5:1) is recommended for the second direction.

E. KAWERAU

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C.

2716. Chromatographic separation of the higher fatty acids in human blood serum. C. Michalec (Central Lab., Univ. Hospital, Prague, Czechoslovakia). *Cas. Lek. Ces.*, 1956, 95 (5), 128–128.—Ascending chromatography is used with Whatman No. 3 paper impregnated with olive oil or liquid paraffin, and with 80% ethanol or acetic acid as the mobile phase. The detection is with AgNO$_3$.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C. (Praha 3, Brezinova 6)

Qualitative chromatographic determination of saturated & unsaturated higher fatty acids in human blood serum. Cesk. gastroenter. 11 no.5: 368-371 5 Sept 57.

1. Ustredni biochemicke laboratore FN I v Praze, prednosta prof. Dr. J. Horejsi.

(FATTY ACIDS, in blood
saturated & unsaturated, chromatography (Cz))

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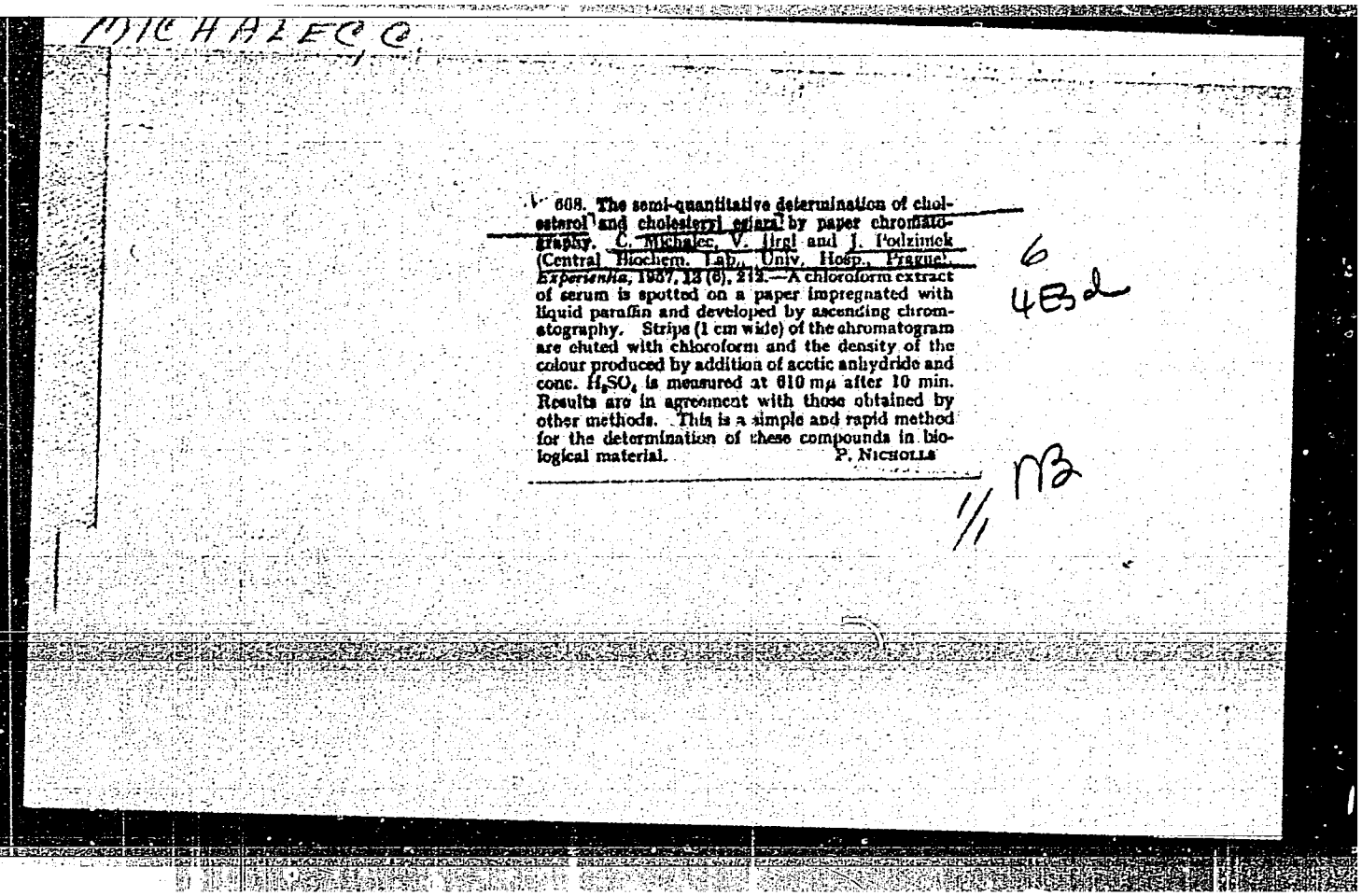

MICHALEC C.

608. The semi-quantitative determination of cholesterol and cholesteryl esters by paper chromatography. C. Michalec, V. Jirgl and J. Podzimek (Central Biochem. Lab., Univ. Hosp., Prague). *Experientia*, 1957, 13 (6), 212.—A chloroform extract of serum is spotted on a paper impregnated with liquid paraffin and developed by ascending chromatography. Strips (1 cm wide) of the chromatogram are eluted with chloroform and the density of the colour produced by addition of acetic anhydride and conc. H_2SO_4 is measured at 610 mμ after 10 min. Results are in agreement with those obtained by other methods. This is a simple and rapid method for the determination of these compounds in biological material. P. NICHOLLS

6
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PHASE I BOOK EXPLOITATION CZECH/3451

Michalec, Čestmír, Doctor, Jaroslav Kořínek, Jan Musil, Doctor, and Jiří Růžička, Engineer

Elektroforesa na papíře a v jiných nosičích (Electrophoresis on Paper and Other Carriers) Praha, Nakladatelství Československé akademie věd, 1959. 313 p. (Series: Československá akademie věd. Sekce chemická. Studie a prameny, sv. 34) 2,250 copies printed.

Reviewer: Jiří Dvořák, Doctor; Scientific Ed.: Bořivoj Keil, Doctor, Engineer; Ed. of Series: Jarmila Klejnová.

PURPOSE: This book is intended for scientists and researchers engaged in the development and application of the electrophoretic method to the analysis of materials.

COVERAGE: This study of electrophoresis on paper and other carriers consists of three parts written by three different authors. The material includes: 1) the theory and general methods of paper electrophoresis with examples of its

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Electrophoresis on Paper (Cont.)

CZECH/3451

use in medical and biochemical problems; 2) the physicochemical aspects and their relationship to the design of apparatus; 3) the analysis of separated materials; and 4) the future of electrophoretic technique in its application to clinical research and routine analysis. Each topic is followed by references.

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Introduction

Růžička, J. Theory of Electrophoresis 11
Electrical conductivity of the solution, electrolytic transfer, and mobility of ions 15
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Charge in weak electrolytes 20
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Review of factors coming into play in electrophoresis 23
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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

SOUKUPOVA, Kveta; MICHALEC, Cestmir

Serum level of higher fatty acids in young individuals; effect of fat ingestion. Sborn. lek. 61 no.1:6-9 Jan 59.

1. IV. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. dr. Bohumil Prusik. Laborator pro proteosyntezu a metabolismus bilkovin, prednosta prof. dr. Jaroslav Horejsi. Dr. K.S. Kalininova 8, Praha 11.

(FATTY ACIDS, in blood
eff. of fat ingestion on higher fatty acids in young subjects (Cz))
(FATS, eff.
on blood higher fatty acids in young subjects (Cz))

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KOLOUSEK, J.; DIENSTBIER, Zd.; MICHALEC, C.

Effect of methionine-sulfoximine on liver and spleen metabolism in the rat. Acta univ. carol. [med.] Suppl. 14:95-102 '61.

1. Biofyzikalni ustav fakulty vseobecneho lekarstvi University karlovy v Praze, prednosta doc. dr. Zd. Dienstbier Laborator pro vyzkum proteinoveho metabolismu a proteosynthesy fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Forejsi.
(LIVER pharmacol) (SPLEEN pharmacol)
(METHIONINE rel cpds)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

STASTNY, M.; MICHALEC, C.; NOVAKOVA, E.

Contribution to the study on lipoproteins in the blood serum.
Acta univ. carol. [med.] Suppl. 14:271-278 '61.

1. Laborator pro metabolismus bilkovin a proteosynthesu fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Horejsi.

(LIPOPROTEINS blood)

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KRONDL, A.; MICHALEC, C.; VAVRINKOVA, H.; VOKAC, V.; statisticke zhodnocení ZVOLANKOVA, K.

Effect of the concentration of bile acids for metabolism of lipids. 1. The degree and emulsion of lipids in man. Cesk. gastroent. vyz. 15 no.1:31-38 F '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. Josef Masek Laborator pro proteosyntezu University Karlovy v Praze, prednosta prof. Jar. Horejsi.
(BILE ACIDS AND SALTS physiol.)
(LIPIDS metabolism)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; stat. zhodnocent: ZVOLANKOVA, K.

Role of the concentration of bile acids in the metabolism of fats. 3. Absorption of fats in man. Cesk. gastroent. vyz. 15 no.4:282-289 Je '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. Josef Masek.

(FATS metab) (BILE ACIDS AND SALTS metab)

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SULC, M.; MESTAN, J.; MICHALEC, C.

Lipids in certain pathological conditions. I. The iodine number in clinical atherosclerosis. Sborn.lek.63 no.2:33-39 F '61.

1. Laborator angiologicka fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof.dr. B.Prusik; Laborator pro metabolismus bilkovin a proteosyntesu fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. J.Horejsi.
(ARTERIOSCLEROSIS blood)
(FATS blood)
(IODINE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, O.; SULC, M.; MESTAN, J.; HALAMA, D.; KOMAN, V.

Lipids in certain pathological conditions. II. Studies on fractions on cholesterol esters in human and animal blood. Sborn. lek. 63 no.4:99-103 1961.

1. Laborator pro metabolismus bikovin a proteosyntezu fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. J.Horejsi, Laborator angiologicka fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. B.Prusik, Slovenska vysoka skola technicka, katedra biochemie a mikrobiologie v Bratislave, reditel prof. dr J.Nemec.

(CHOLESTEROL blood)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

SULC, Miloslav; MICHALEC, Cestmir; MESTAN, Jan; KOLMAN, Zdenek

Experience with the isolation of unsaturated glycerides and their characteristics in the human serum. Cas.lek.cesk 100 no.22:696-698 2 Je '61.

1. Angiologicka laborator fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. B. Prusik. Laborator pro metabolismus bilkovin a proteosyntezu fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. J. Horejsi.

(FATS, UNSATURATED blood)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C.; SULC, M.; MESTAN, J.; KOLMAN, Z.; JICHOVA, M.

Comparative chromatographic studies on the content of unsaturated triglycerides in various oils and fats. Cas.lek.cesk 100 no.29/30: 909-912 14 Jl '61.

1. Laborator pro proteosyntezu a metabolismus bilkovin fakulty vseobecneho lekarstvi KU v Prase, reditel prof. dr. J. Horejsi, Laborator angiologicka fakulty vseobecneho lekarstvi KU v Prase, reditel prof. dr. B. Prusik.

(LIPIDS chem)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VOKAC, V.; PLACEK, Z.; SKALA, I.

Digestion and absorption of fats. Cesk. gastroent. vyz. 16 no.3/4: 191-196 Ap '62.

1. Ustav pro vyzkum lidu v Praze, reditel doc. MUDr. J. Masek, DrSc.
(BILE) (GLYCERIDES) (CHLORTETRACYCLINE)
(NEOMYCIN) (DIGESTION) (LIPID METABOLISM)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, Gestmir

Chromatography on glass-fiber paper. Chem listy 56 no.12:1403-1419 D '62.

1. Laborator pro proteosynthesu a metabolismus bilkovin, Fakulta vseobecneho lekarstvi, Karlova universita, Praha.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

KRONI L., A.; [illegible]

Effect of pancreatic lipase inhibition by chlorpromazine on fat digestion and absorption. Rev. czech. med. [illegible] 282 '64.

1. Institute of Human Nutrition, Prague (Director: Prof. J. Masek, M.D. D.Sc.) and Laboratory of Proteosynthesis, Prague (Director: Prof. J. Berejsi, M.D., D.Sc.).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

SULC,M. ; MICHALEC, C.

Level of lipid fractions and chromatography of unsaturated fatty acids in the blood of cocks during long-term cholesterol feeding under different ecological conditions. Sborn. lek. 66 no.6:167-170 Je'64

1. Angiologicka laborator fakulty vseobecneho lekarstvi University Karlovy v Praze (reditel: prof. dr. Z.Reinis, DrSc.) a Laborator pro metabolismus bilkovin a proteosyntezu fakulty vseobecneho lekarstvi University Karlovy v Praze (reditel: prof. dr. J. Horejsi, DrSc.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, C.; TICHY, J.

Determination of the spectrum in cholesterol esters in the cerebrospinal fluid by paper chromatography. Cas. lek. cesk. 103 no.27:756-757 26 Je '64

1. Laborator pro proteosyntezu fakulty vseobecneho lekarstvi KU [Karlovy university] v Prahe (vedouci: prof. dr. J.Horejsi, DrSc.) a Neurologicka klinika fakulty vseobecneho lekarstvi KU [Karlovy university] v Prahe (prednosta: akademik K.Henner).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

KRONDL, A.; VAVRINKOVA, H.; VOKAC, V.; MICHALEC, C.; HROMADKOVA, V.

Effect of chlortetracycline on lipid metabolism, 1. Digestion of fats. Cas. lek. cesk. 103 no.43:1188-1192 23 O '64.

1. Ustav pro vyzkum vyzivy lidu v Praze, (reditel prof. dr. J. Masek, DrSc.) Laborator pro proteosyntezu fakulty vseobecneho lekarstvi Karlovy University v Praze, (vedouci prof. dr. J. Horejsi, DrSc.).

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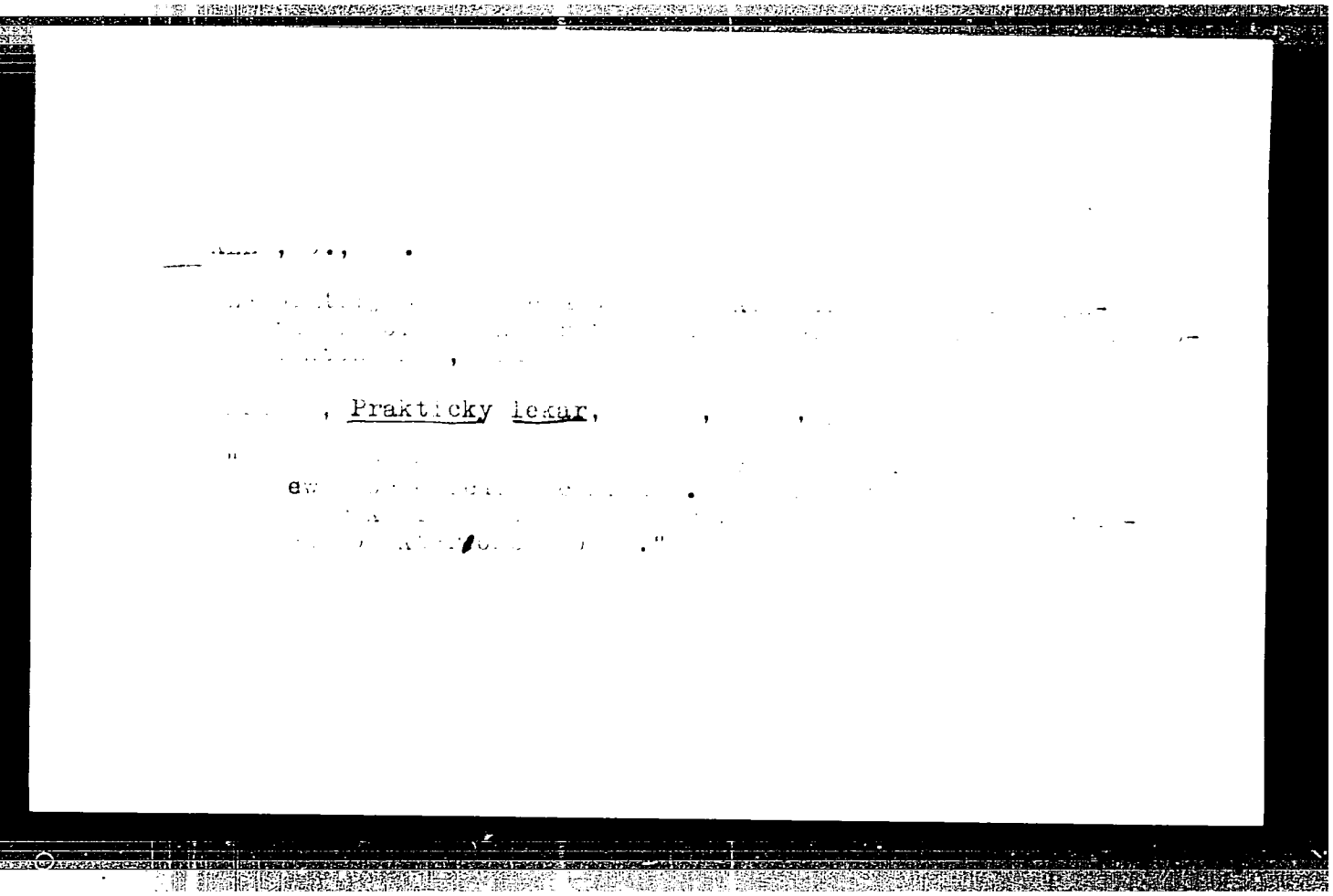

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

S/144/60/000/012/005/005
E194/E255

AUTHOR: Michálek, Jan., Engineer

TITLE: Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1960, No. 12, pp. 98-111

TEXT: Fully-sealed refrigerator units are coming into use for domestic refrigerators. This design has numerous advantages but makes more severe demands on the motor insulation, which is exposed to a mixture of refrigerant and lubricant. The object of the present work was to test available insulating materials for hermetically-sealed refrigerator motors operating in freon-12 and lubricating oil Grade [illegible] (F). The equipment was dehydrated with methanol. The principal product studied was enamelled winding wire, attention also being paid to impregnating varnishes and slot insulation. Tests were made of the stability of the insulating materials to freon-12 and other chemical reagents and lubricating oil under laboratory conditions; the moisture resistance of enamelled wires was also tested. Some of the

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

materials tested were used in motors which were life-tested. Freon-12 acts as an organic solvent of enamels. Material extracted by the freon may contaminate the refrigerator system. Various methods have been devised to test the stability of insulating materials to refrigerants, one developed by Dr. H. Steinle (Germany) involves cold extraction with freon-12, at a temperature of -29.8°C. A number of materials was tested by this method. Tests were made with enamelled wires of various kinds including: two grades with polyamide (ПЭ-БА (PA-BA) and rezamid) lacquers, two grades with polyvinylformalin (Grade С 1917 (S 1917) and vinyflex) lacquer and one grade with terephthalate (terebek Ф35 (F35)) lacquer. The wires were made under normal conditions. A number of impregnating insulating varnishes was used namely, С 1701 (S1701), rezofen and elmo-glass В-150 (V-150). Bakelite varnish S1701 is used in the manufacture of refrigerators although it is not electrically insulating. Rezofen is also a bakelite varnish but of different composition and hardening conditions. It is not

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

used in the pure form but is one of the main components of impregnating varnish Grade C 1921 (S1921). The polyurethane varnish elmo-glass V-150(manufactured by the firm of Dr. Beck in the German Federal Republic) is used to impregnate certain kinds of motors. A normal soxhlet extraction apparatus was used, cooled by alcohol at a temperature of -55°C. The specimens were made up of enamelled wire weighing about 200 g bearing about 4 g of enamel. The samples were wound up in a coil. Samples were also made up of copper foil with impregnating varnish also having a varnish weight of about 4 g. The samples were first dried for 16 hours at 105°C and then extracted for 6 hours 15 minutes in freon-12 which was evaporated to obtain the dry residues. The amounts of dry residue were measured. The results show that all the lacquers tested were stable to freon-12, according to Steinle's method of classification. Of the impregnating varnishes, the bakelite grades give a higher amount of extract than the elmo-glass polyurethane varnish but nevertheless this latter grade is not

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

stable to freon-12. After about thirty minutes the varnish swells and loses its adhesion to metal. With this exception, all the materials were satisfactory. However, the low test temperature is a favourable factor, and assessment should not be based on this test alone. It is important to test the stability of the insulating materials to refrigerant at higher temperatures, which entails testing under pressure. The work was carried out by a method similar to that of Steinle but extracting at a temperature of 95°C for 4 hours. Attempts have been made to find solvents which would affect insulating materials in the same way as the usual refrigerants and it is found that methanol is comparable. Its use was proposed after a detailed study of variable factors such as hardening time, lacquer film temperature, exposure to methanol and others. Five grades of enamelling lacquer were used and in addition polyvinyl formalin lacquer 'Renvar'D' and terephthalate lacquers 'Terex' 17 and remanex РЛ 768 (RL 768). The samples were tested in the condition of receipt and after additional hardening for three hours at a temperature of 135°C. The

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

additional hardening reduced the extract in two cases. The action of solvents on the insulating materials was tested in a soxhlet apparatus at the normal boiling-point of the solvents. After extraction the dry residue was determined. Extractions were made with methanol, trichlorethylene and xylol. Samples of foil with impregnating varnish were extracted with normal benzene instead of xylol. The test results on enamelled wires showed that the polyamide varnishes manufactured in Czechoslovakia are more chemically stable than polyvinyl formalin varnishes. The best stability was shown by wires enamelled with terephthalate varnish, Terebek 35 (F35). Of the impregnating varnishes, both bakelite grades are approximately equivalent in chemical stability. Although polyurethane varnish elmo-glass V-150 gave a small quantity of extract, the film was damaged by trichlorethylene and methanol. The film of varnish S1701 was also damaged by trichlorethylene. Tests were also made of the stability of enamelled wires to lubricating oil. The tests were made in pure lubricating

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

oil Grade F at temperatures of 110 and 120°C. The stability to a mixture of oil and freon-12 could be assessed from life tests on completed equipment. Ageing of the enamelled wire in the oil was assessed by determining the relative elongation of the enamel film in a twisting test. Specimens with polyamide and polyvinyl formalin varnishes aged at 110°C for about 20 days showed a gradual reduction of relative elongation. But after about twice this time the varnishes enamelled with polyamides became completely brittle. The polyvinyl formalin varnish is the most stable to lubricating oil and vinyflex is better than varnish S1917. The most stable of all is terephthalate varnish Terebek F35. Rather similar results were obtained at 120°C, but significant results are obtained after two weeks of testing. No tests were made of the stability of varnish film to hot oil, but it is believed that hot oil accelerates enbrittlement. Water-resistance tests were also made on enamelled wires. The samples were first dried for 24 hours over silica gel and the dielectric loss angle was

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

measured at a frequency of 1000 c/s. They were then exposed to a relative humidity of 75% and the dielectric loss angle was measured from time to time. The polyamide varnishes rezamid and PA-BA absorbed the most moisture and the polyvinyl formalin varnishes vinyflex and S1917 the least. The terephthalate varnish also showed appreciable water absorption. It is considered that water absorption increases with increase in the content of plastifiers, particularly in the case of polyamide varnishes. Life tests were made with the motors operating at higher than normal temperature. Tests were made with three grades of lacquer, each in ten motors, making 30 in all. The materials used were polyamide varnish PA-BA, polyvinyl formalin varnish S1917 and polyvinyl formalin varnish vinyflex. The motors were divided into two groups, one of which was impregnated with varnish S1701 and the other was not impregnated. The sets were tested and filled with freon-12 in the usual way. For life tests the motors were permanently connected to the supply and their winding temperatures

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S/144/60/000/012/005/005
E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

were periodically determined by change of resistance. The test results show that windings lacquered with vinyflex and impregnated with varnish S1701 gave the best life, the unimpregnated windings being of comparable quality. Enamelled wire Grade S1917 occupies second place and this one was much better with impregnation than without. Enamelled wire Grade PA-BA gave the shortest life. Mean temperatures during the tests ranged from 111 to 138°C. The tests only lasted months but had they been carried on longer to failure the classification of different grades might have been different. It was found that the reduction in insulation resistance and electric strength of the lubricating oil was due to breakdown of cellulose from the slot insulation and bindings of the end windings. One advantage of impregnation is that it improves the heat transfer. It is concluded that the reliability of sealed-unit type refrigerator motors in service depends on the quality of the enamelled wire. Wires enamelled with polyvinyl formalin lacquers are better than those enamelled with polyamide lacquers,

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E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

which are of variable quality and absorb water freely. It is advisable to use wires with reinforced (duplex) insulation to avoid local damage of the enamelled layer. Of the wires enamelled with polyvinyl formalin lacquers, vinyflex was better than varnish S1917 and in laboratory tests the best of the enamelling lacquers was terephthalate lacquer terebek F35. Impregnation of motor windings greatly increases their life particularly if the wire enamel is not very stable to a mixture of freon and 12 oil. There are 4 figures, 4 tables and 8 references: 1 Soviet and 7 non-Soviet.

ASSOCIATION: The Bratislava Scientific Research Institute of Cables and Insulating Material, Czechoslovakia

SUBMITTED: June 22, 1960

Card 9/9

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

KALISKI, Sylwester; MICHALEC, Jerzy

The resonance amplification of a magnetoelastic wave radiated from a cylindrical cavity. Proceed vibr probl 4 no.1:7-15 '63.

1. Department of Vibrations, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, Jozef, inz.

National conference on the application of conclusions of science, research, and large-scale production technology in practice. Vest ust zemedel 10 no.8:291-292 '63.

1. Odbor pre podohospodarstvo, Slovenska narodna rada, Bratislava.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

ACCESSION NR: AP3008940 P/0033/63/015/003/0359/0369

AUTHOR: Kaliski, Sylwester; Michalec, Jerzy (Warsaw)

TITLE: Magnetoelastic resonance vibration of a perfectly conducting cylinder in a magnetic field

SOURCE: Archiwum mechaniki stosowanej, v. 15, no. 3, 1963, 359-369

TOPIC TAGS: magnetoelastic resonance vibration, perfectly conducting elastic cylinder, magnetic field, Voight body, nonelastic body, elastic body, elastic cylinder

ABSTRACT: In considering the problem of magnetoelastic resonance vibration of a perfectly conducting elastic cylinder in an originally axial magnetic field, the authors examine the general case of a cylinder with mechanical internal damping. For the resonance amplitudes, they confine themselves to the influence of electromagnetic radiation into the vacuum adjacent to the cylinder, assuming the cylinder to be perfectly elastic. They obtain a set of equations and the boundary conditions for a nonelastic (Voight) body, as well as a general solution for a nonelastic and an elastic body. Finally, they determine the fundamental resonance frequency for a perfectly elastic cylinder and the resonance amplification of the amplitude of the cylinder (limited owing to the radiation of the electromagnetic energy into the vacuum).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

ACCESSION NR: AP3008940

ASSOCIATION: Department of Vibration, IBTP Polish Academy of Sciences

SUBMITTED: 16Jul62 DATE ACQ: 24Oct63 ENCL: 00

SUB CODE: 00 NO REF SOV: 002 OTHER:003

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

CECHLIN, Vladimir, promovany geolog; MICHALEC, Jaromir, inz.;
SUCHANEK, Vladimir, inz., kandidat technickych ved

Increasing the depth range and accuracy of measurement by the Turam set. Geol prizkum 6 no.4:105-106 Ap '64.

1. Geologicky prizkum National Enterprise, Prague and Czech. Higher School of Technology, Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, J.

"The Role of Water Power in the Power Production of Czechoslovakia." p. 373,
(Za Socialistickou Vedu A Techniku, Vol. 3, no. 9, Sept. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March 1954, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, J.

For better utilization of the Danner machine, p. 285, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 11, Nov. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, J.; KOSEK, K.

Problems concerning cooperation between steam and water-power electric stations in Czechoslovakia.

[illegible]
Vol. 5, no. 6, 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
Praha, Czechoslovakia

Source: Monthly List of East European Accesions, (EEAL), LC, Vol. 5, no. 2 February 1956, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, [illegible].

MICHALEC, [illegible]. Notes on present conditions i the construction of [illegible]ydroelectric plants from the point of view of new technology. p. 2[illegible]2.

Vol. 1, no. 10, Oct. 1956
NOVA TECHNIKA
TECHNOLOGY
Czechoslovakia

So. East European Accession, Vol. 6, No. 5, May 1957

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, Jaroslav, inz.

Outlook for construction of multipurpose hydro-electric power plants in Czechoslovakia. El tech obzor 50 no.10:523-527 O '61.

(Water-power electric plants)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC, Jaroslav, inz.

Some problems of world hydroelectric power engineering.
Vodni hosp 14 no.12:465-466 '64.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

Z/037/62/000/003/006/007
E024/E435

AUTHOR: Michalec, R.

TITLE: Methods of polarization of cold, thermal and resonance neutrons

PERIODICAL: Československý časopis pro fysiku, no.3, 1962, 272-291

TEXT: Review paper listing 62 references, 6 of which are Soviet, covering the period from 1937 to 1961. The paper is divided into the following sections and subsections:
1. Introduction (Definition of polarization. General theory of polarization).
2. Methods of polarization (Transmission of neutrons through magnetized ferromagnetic samples. Complete reflection of neutrons from magnetized ferromagnetic mirrors. Diffractive reflection of neutrons from magnetized ferromagnetic single crystals. Reflection of neutrons from magnetic mirrors. Transmission of neutrons through polarized samples).
3. Comparison and applicability of the various methods of polarization for experimental work.
4. Conclusion.

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

Methods of polarization ... Z/037/62/000/003/006/007
E024/E435

The author anticipates considerable improvements in the methods of polarization of neutrons and points out that more attention should be paid to experimental work in this field in Czechoslovakia. There are 9 figures.

ASSOCIATION: Ústav jaderného výzkumu ČSAV, Řež
(Institute for Nuclear Research CSAV, Řež)

SUBMITTED: July 7, 1961

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

L 18291-63 EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pad JD/HW
ACCESSION NR: AP3003663 Z/0055/63/013/006/0474/0476

AUTHOR: Kopecky, J., Chalupa, B., Michalec, R., Kajfosz, J.

TITLE: The beam of polarized neutrons obtained by the method of reflecting from a cobalt mirror

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 13, no 6, 1963, 474-476

TOPIC TAGS: polarized neutrons, magnetized cobalt mirror, reverse spin, depolarization, shim method

ABSTRACT: In the experimental magnetized mirror of cobalt on a copper base (both 50 microns thick), built by the 4 authors to obtain polarized neutrons, a beam of heat neutrons from the horizontal channel of their experimental reactor BBP-C, emitted by the collimator at the rate of (7.5 plus minus 0.2). 10 sup 7 neutrons/ sq cm/sec, with a maximum angle deviation of 12 minutes, falls on a cobalt surface 500 x 120 mm. As already shown by others, in case of sufficiently large B's there is complete reflection for neutrons with a spin parallel to the magnetizing field (refraction coefficient less than 1), whereas for neutrons with

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ACCESSION NR: AP3003663

reverse spin there is only refraction into the mirror (r.c. more than 1). This produces a neutron beam polarized in the direction of the field magnetizing the mirror. The degree of polarization was measured with another similar mirror, magnets with congruent fields being placed between them to maintain the direction of spin of the neutrons. The table shows that the method of double reflection gives comparatively low values differing from the true polarization because of depolarization of the beam in passing between the regions of the reverse magnetic fields. By using a third mirror the authors determined the quality of the other two and the relationship of their polarizations. Results: double-reflection method 0.788; shim method 0.857; combined 0.852. Using the better of the two mirrors as a polarizer, the degree of polarization attained in the reflected beam was 94 plus or minus 2%. The flow measured in the polarized beam was 2.10 sup 6 neutrons/sec (3. 10 sup 5 neutrons/ sq cm/sec.). The flow can be increased by using a mirror 1-1.5 m long. The beam obtained will soon be used to study the radiation capture of pllarized neutrons by nuclei. Orig. art. has 1 figure and 1 table.

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L 18291-63
ACCESSION NR: AP3003663

ASSOCIATION: Ustav jaderneho vyzkumu CSAV, Rez (Institute of Nuclear Physics of the Czechoslovak Academy of Sciences)

SUBMITTED: 30Nov62 DATE ACQ: 16Jul63 ENCL: 00

SUB CODE: NS, PH NO REF SOV: 004 OTHER: 006

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L 30078-66 EWT(m)
ACC NR: AP6020601 SOURCE CODE: CZ/0038/65/000/010/0381/0382

42
B

AUTHOR: Michalec, Rudolf

ORG: Institute of Nuclear Research, CSAV, Rez (Ustav Jaderneho Vyzkumu CSAV)

TITLE: Experimental determination of the efficiency of an analyzer for the circular polarization of gamma quanata 19

SOURCE: Jaderna energie, no. 10, 1965, 381-382

TOPIC TAGS: circular polarization, gamma quantum, ferromagnetic material, Compton effect, gamma scattering, physics laboratory equipment, nuclear physics apparatus

ABSTRACT: Methods for the direct experimental determination of the analyzer's efficiency are described; these are based on the Compton scattering of polarized quanta by oriented electrons. The efficiency may be measured by unpolarized quanta emitted from the investigated target. Transmission of unpolarized quanta through magnetized ferromagnetic materials is a function of the degree of their magnetization. The nonpolarized quanta are partially polarized circularly during transmission and scattering in magnetized material. The efficiency of both the transmission and the scattering analyzers can be determined by measuring the dependence of the transmission of nonpolarized quanta upon the magnetization of the

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L 30078-66

ACC NR: AP6020601

ferromagnetic material, or by measuring the quanta polarization occurring during the transmission or scattering in a magnetized ferromagnetic material. This method can eliminate the use of theoretically calculated corrections that must be introduced in the measured value of the circular polarization of gamma quanta. The article is an abstract of UJV report No 1289/65. [Orig. art. in Eng.] [JPRS]

SUB CODE: 20, 14 / SUBM DATE: none

Card 2/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

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"ICHALEC, T. Finishing dyes for leather. p. 172.

Vol. 11, no. 7, July 1956
PRZEGLAD SKORZANY
PHILOSOPHY & RELIGION
Warszawa, Poland

SO: East European Accession, Vol. 6, No. 3, March 1957

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MICHAL[illegible], T.

Coating paints containing synthetic resins.

P. 224. (Przegląd Skórany. Vol. 11, no. 9, Sept. 1956, Lodz, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol.7,no. 2, February 1958

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POLAND/Chemical Technology. Chemical Products and Their Applications. Leather. Fur. Gelatin. Tanning Agents. Technical Proteins. H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45458.

Author : Michałec Tadeusz
Inst :
Title : Synthetic Polymer Based Leather Stains.

Orig Pub: Przegl. skorzany, 1956, 11, No 9, 224-228.

Abstract: The casein and nitrocellulose based stains used at the present time in finishing of leather can be advantageously replaced by stain emulsions based on synthetic resins. This will make it possible to decrease the amount of labor involved in polishing the grain side of leather and to utilize chrome pigskin with artificial grain. A brief description is pro-

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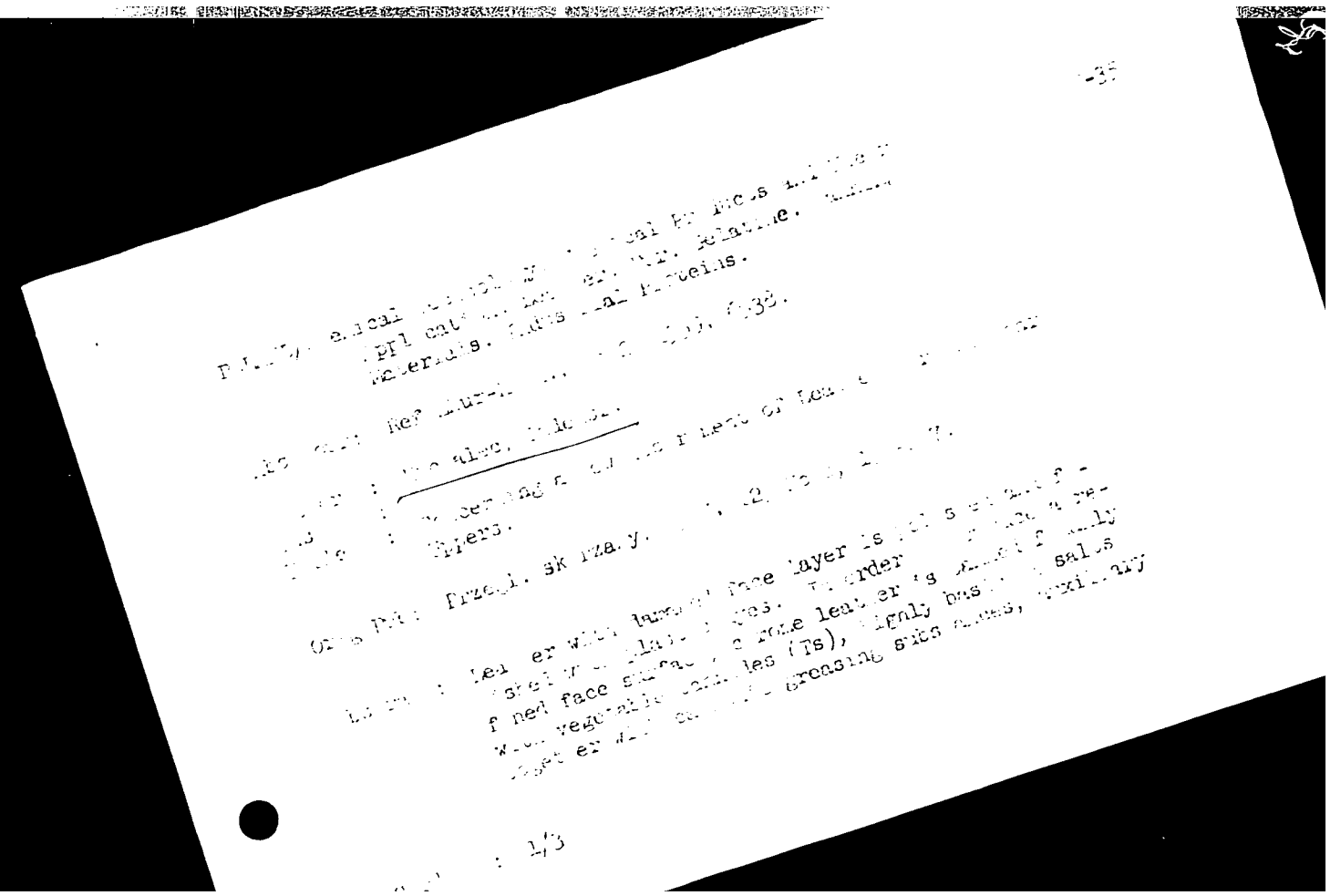

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

Abs Jour: Ref Zhur-Khim., No 2, 1959, 6938.

syntans of anionoid character, and products of condensation of urea, melamines and dicyandiamides (reshyan / transliteration from Russian / ..... 6, relyugan / transliteration from Russian / ....). It is recommended to carry out the greasing in two stages: first with anionic (sulfonated) fats and, after that, with cationic fats, and to dye the leather before final tanning. The increased soaking capacity of leather connected with polishing is partly corrected by pressing or glossing the leather. Also, priming with cationic oils (casein priming paint) is applied, after which leather is dyed with basic dyes. Leather, which has been finally tanned correctly and

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001033810012-2

MICHALEC T.

COUNTRY : POLAND

CATEGORY : Chemical Technology. Chemical Products and Their Applications. Leather. Fur. Gelatine*

ABS. JOUR. : Referat. Zh., No. 23 [illegible], No. 84521

AUTHOR : Lasek, W.; Michalec, T.; Kozubek, M.

INST. : -

TITLE : Chrome Leather With Refined Top Side

ORIG. PUB. : Przegl. skorzany, 1959, 14, No 2, 50-58; No 3, 81-90

ABSTRACT : Effect of the finishing tanning employing vegetable and synthetic tanning agents on the physical and chemical properties of chrome leather was studied. In the filling up of leather, predestined for finishing and refining of top side, the best substances for the purpose are extracts of mimosa, neutralized chestnut, quebracho (sulfonated and non sulfonated) and oak; the use of 6% tannides, basis the weight of leather, increases the

*Tanning Materials. Industrial Proteins.

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MICHALEC, Z

[redacted], inzhener (g. Praga).

Underground hydro-electric plant. IUn.tekh. no.7:27-29 Je '57. (MLRA 10:7)

(Lipno (Czechoslovakia)--Hydroelectric power stations)

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MIKHALUTO, Zdenek (Praga).

Prague seen by a technician. IUn. tekh. 2 no.2:54-55 F '58.
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(MIRA 12:1)
(Czechoslovakia--Gravitation--Research)

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[redacted]nek [Michalec, Z.](Praga)

Airplanes made in Czechoslovkia. IUn.tekh. 5 no.3:68-70 Mr '61. (MIRA 14:6)

(Czechoslovakia--Airplane industry)

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MICHALEK, Boguslaw, ins.

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Mine surveying in the widening and deepening of an upcast shaft.

P. 213. (UHLI) (Prana, Czechoslovakia) Vol. 7, no. 6, June 1957

So: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 9, 1958

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The quinone-amino acid complexes and polyphenolase. Acta biochim.polon. 6 no.4:399-409 '59.

1. Zaklad Chemii Fizjologicznej AM, Instytut Biochemii i Biofizyki PAN, Warszawa Kierownik: Prof. dr Jozef Heller.
(QUINONES chem)
(AMINO ACIDS chem)
(OXIDASES chem)

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1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences and Department of Physiological Chemistry, School of Medicine; Warsaw. Presented by J. Heller.

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Parahydroxyphenylpyruvic acid oxidase in fishes and birds. Bul Ac Pol biol 9 no.3:105-107 '61. (EEAI 10:9/10)

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(FISHES) (BIRDS) (OXIDASES) (HYDROXYPHENYLPYRUVIC ACID)

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Expansability of enamel insulation of wire as an indicator of properties of resol-polyamide lacquers. p. 220.

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Uncl.

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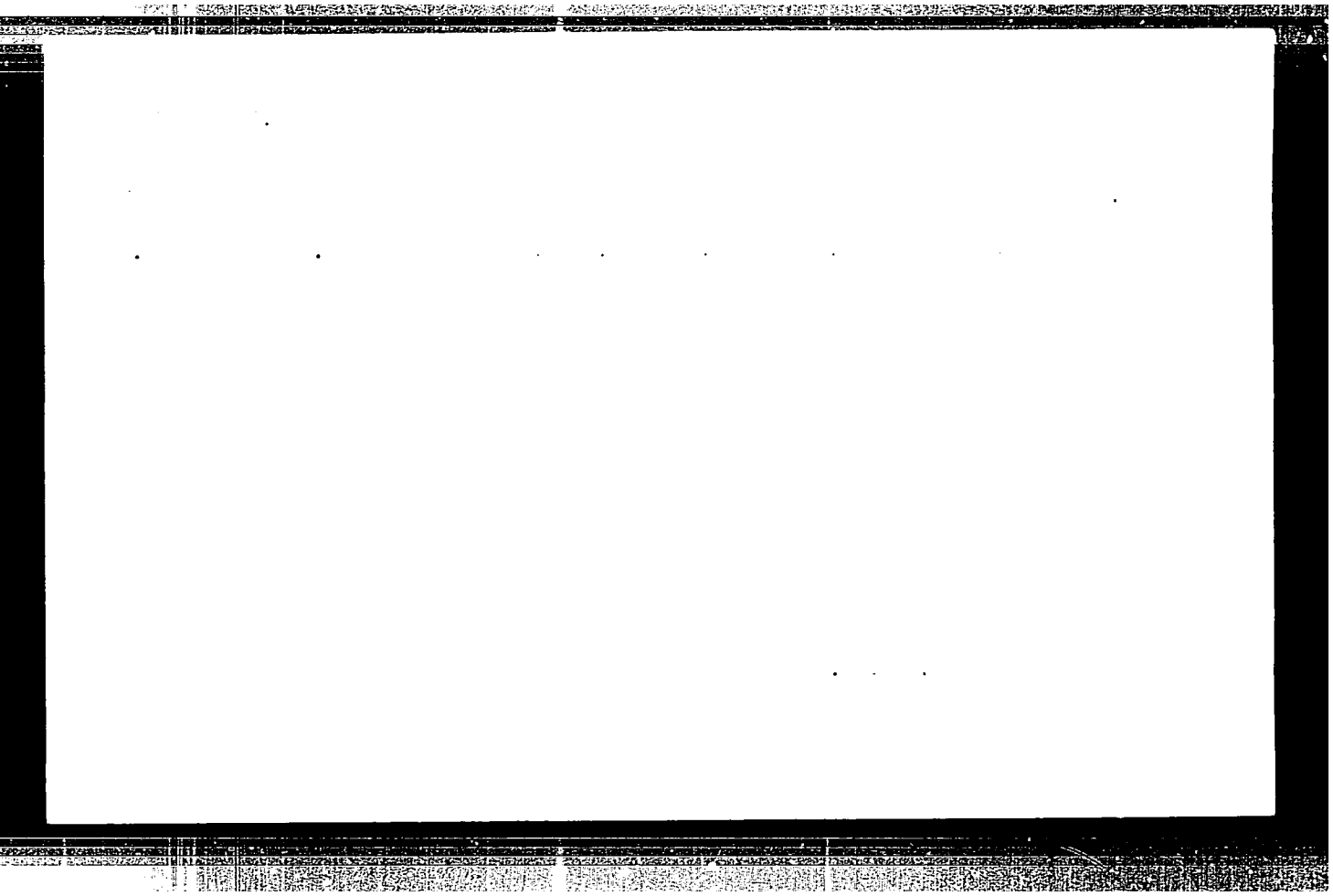

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